

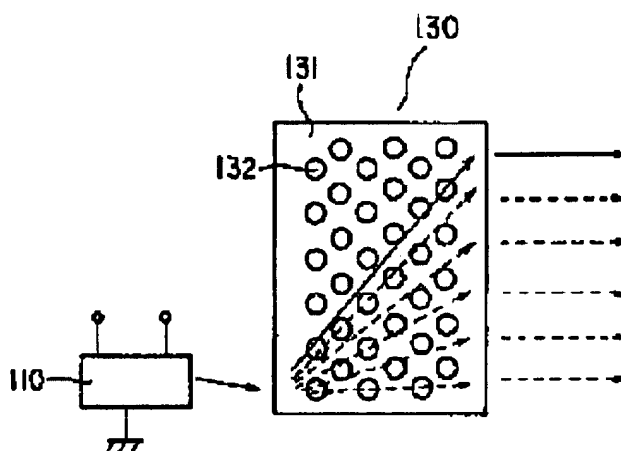
MECHANISM FOR DEFLECTION OF LIGHT BEAM

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- **International:** G02B26/10; B41J2/44; G02F1/29; G11B7/135; H04N1/113
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Abstract of JP2001013439

PROBLEM TO BE SOLVED: To fast and largely deflect a light beam without requiring mechanical driving. **SOLUTION:** The light beam deflecting mechanism to electrically deflect a light beam is composed of a DBR (distributed Bragg reflection) type wavelength variable laser 110 which can vary an oscillation wavelength and of a photonic crystal 130 having cylindrical silicon bodies 132 periodically arranged in silicon oxide 131 and having wavelength dispersion to allow the light beam from the laser 110 to enter and exit. The wavelength of the light from the wavelength variable laser 110 is slightly varied to control a deflection position of the exiting beam.



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